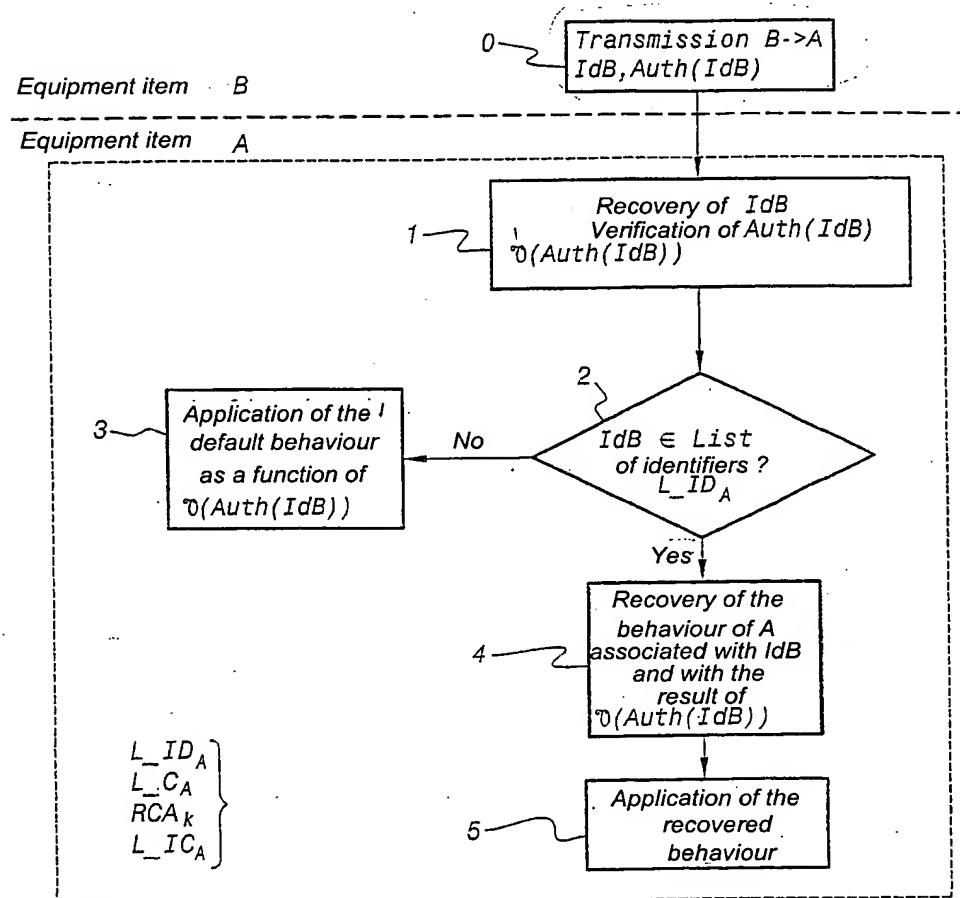


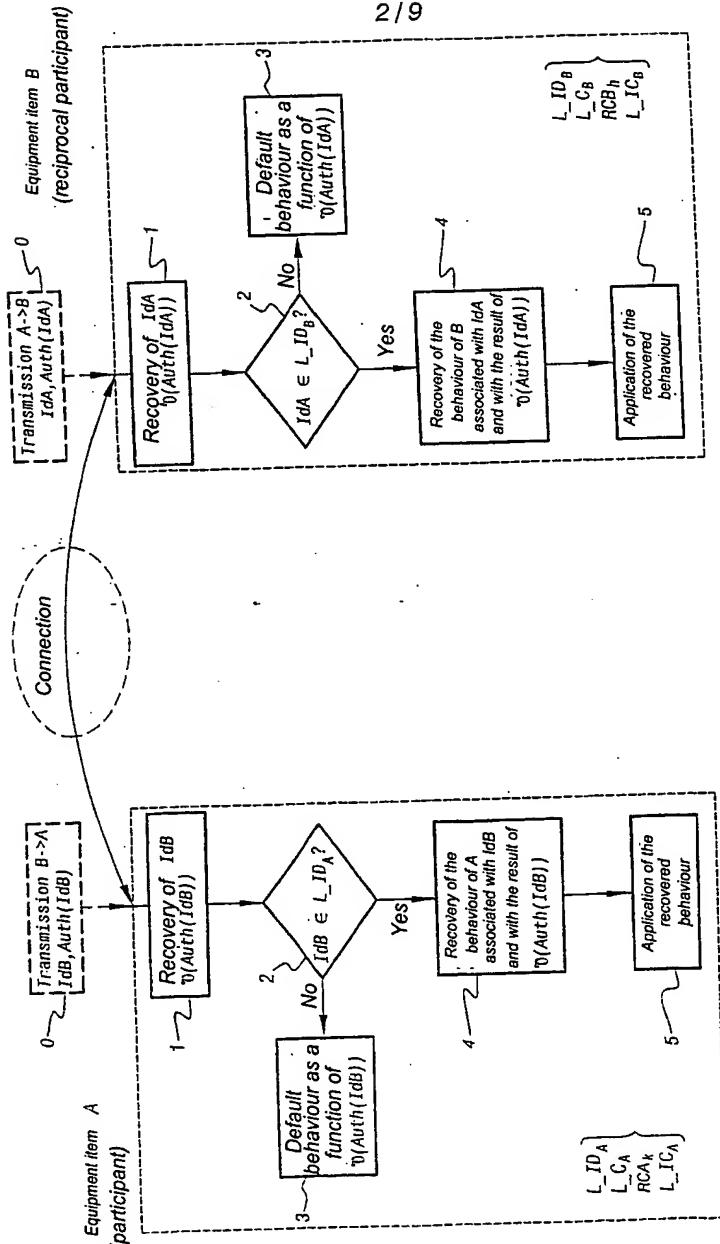
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$$\begin{cases}
 L_ID_A = [IdB, IdC, \dots, IdF, IdH] \\
 L_CA = [RCA_1, RCA_2, \dots, RCA_k, \dots, RCA_n] \\
 RCA_k = [CA_1, CA_2, \dots, CA_p] \\
 L_IC_A = [[IdB[RCA_1]]; [IdC[RCA_k]]; \dots]
 \end{cases}$$

FIG.1

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FIG.2a

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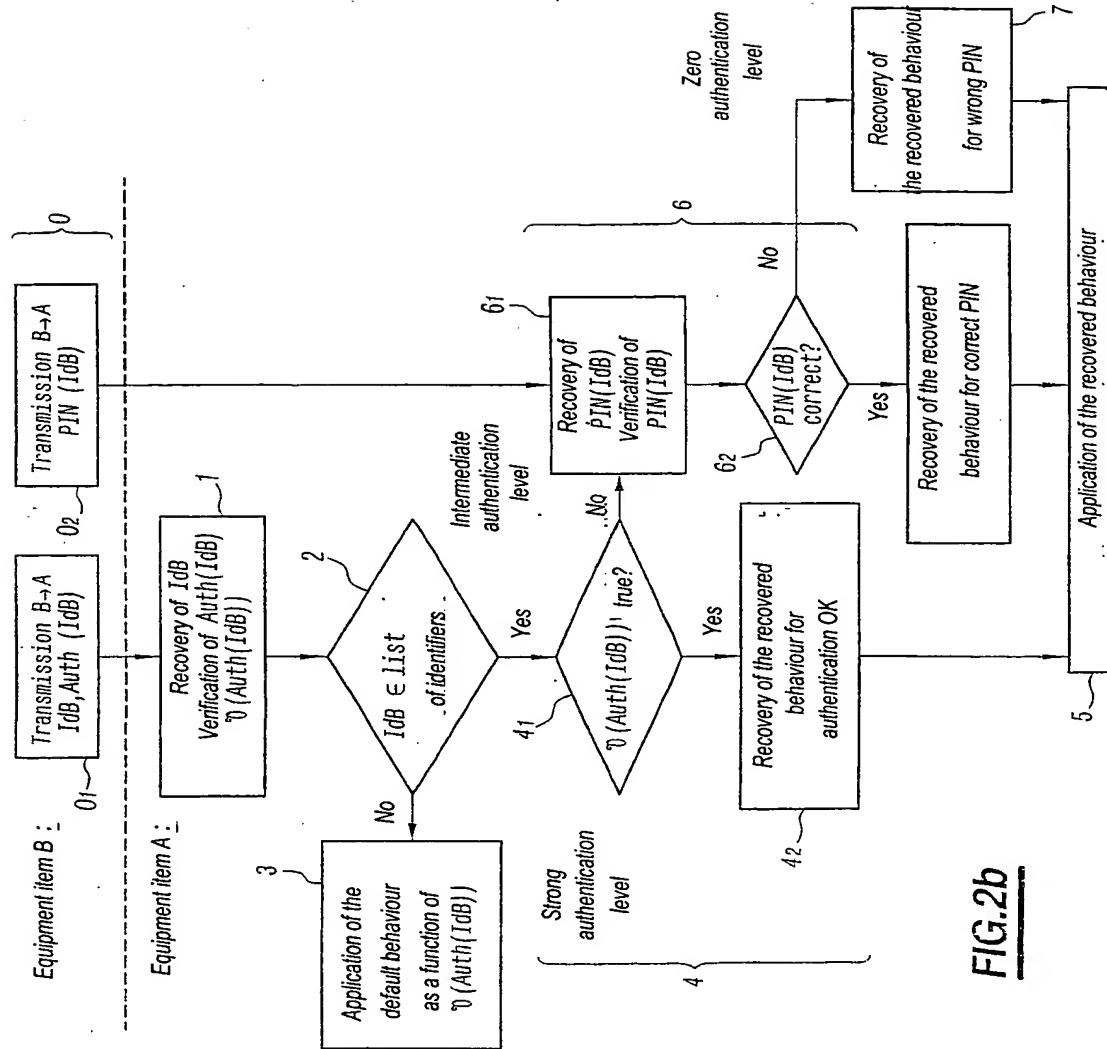


FIG.2b

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Equipment item B

$$\begin{aligned}
 L_ID_B &= [IdA, IdD, IdE] \\
 L_C_B &= [RCB_1, RCB_2, \dots, RCB_h, \dots, RCB_r] \\
 RCB_h &= [CB_1, CB_2, \dots, CB_q] \\
 L_IC_B &= [IdA[RCB_1]; [IdD[RCB_1]], \dots]
 \end{aligned}$$
FIG.2cEquipment item A

$$\begin{aligned}
 L_ID_A &= [IdB, IdC, \dots, IdF, IdH] \\
 L_C_A &= [RCA_1, RCA_2, \dots, RCA_k, \dots, RCA_n] \\
 RCA_k &= [CA_1, CA_2, \dots, CA_p] \\
 L_IC_A &= [IdB[RCA_1]; [IdC[RCA_k]], \dots]
 \end{aligned}$$
Equipment item A (Terminal)

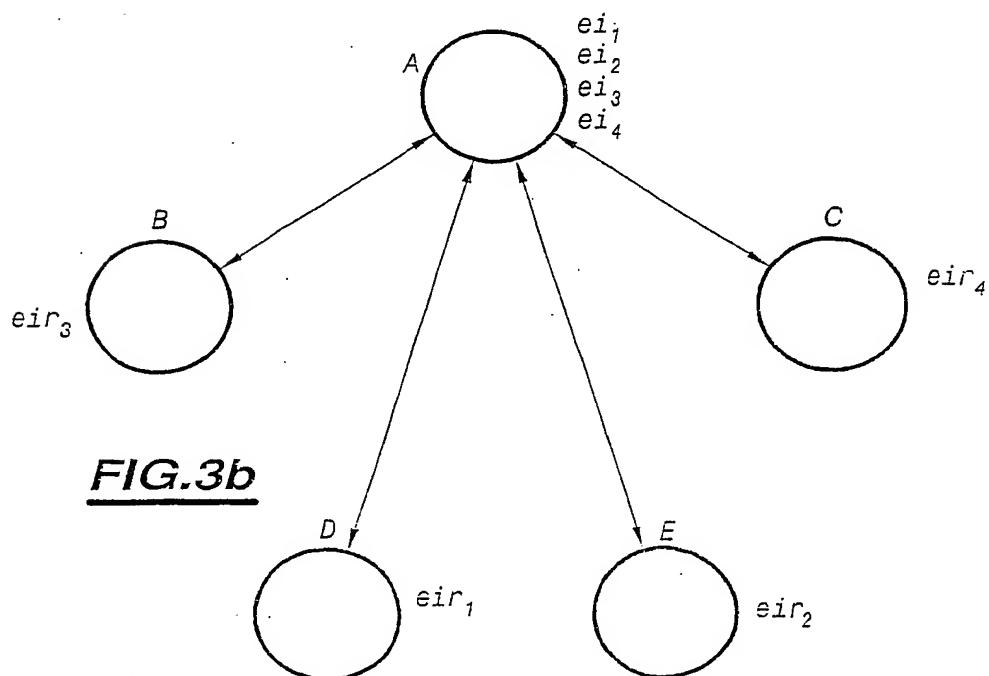
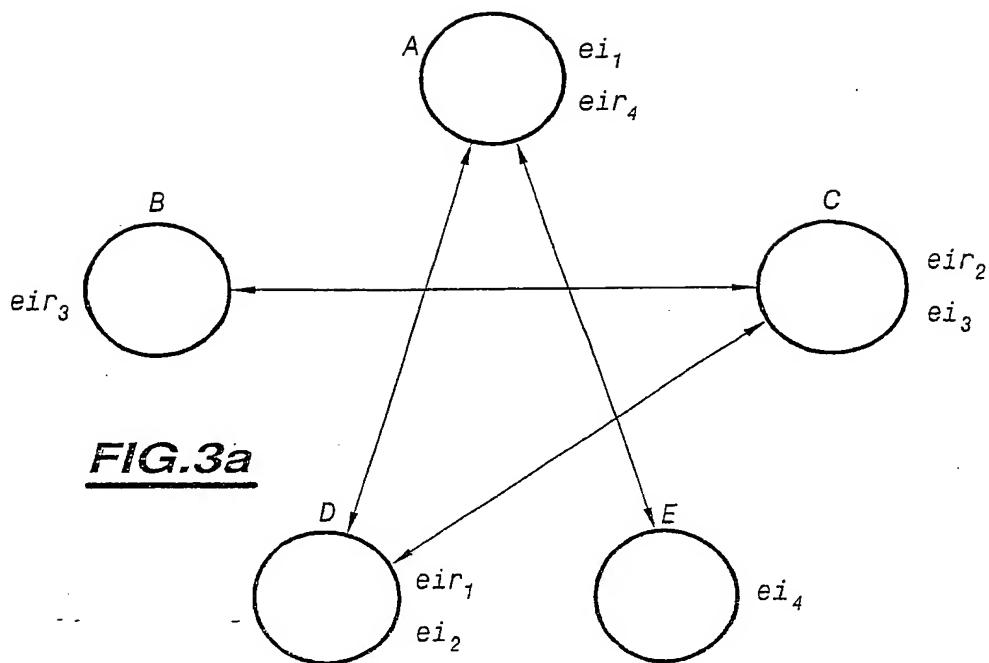
$$\begin{aligned}
 L_ID_A &= [IdB, IdC, \dots, IdF, IdH] \\
 L_C_A &= [RCA_1, RCA_2, \dots, RCA_k, \dots, RCA_n] \\
 RCA_k &= 01001010 \\
 L_IC_A &= [IdB[RCA_1]; [IdC[RCA_2]], \dots] \\
 &\quad \overbrace{(010010)}^{\overbrace{(01001)}^{\overbrace{(0100)}}}
 \end{aligned}$$

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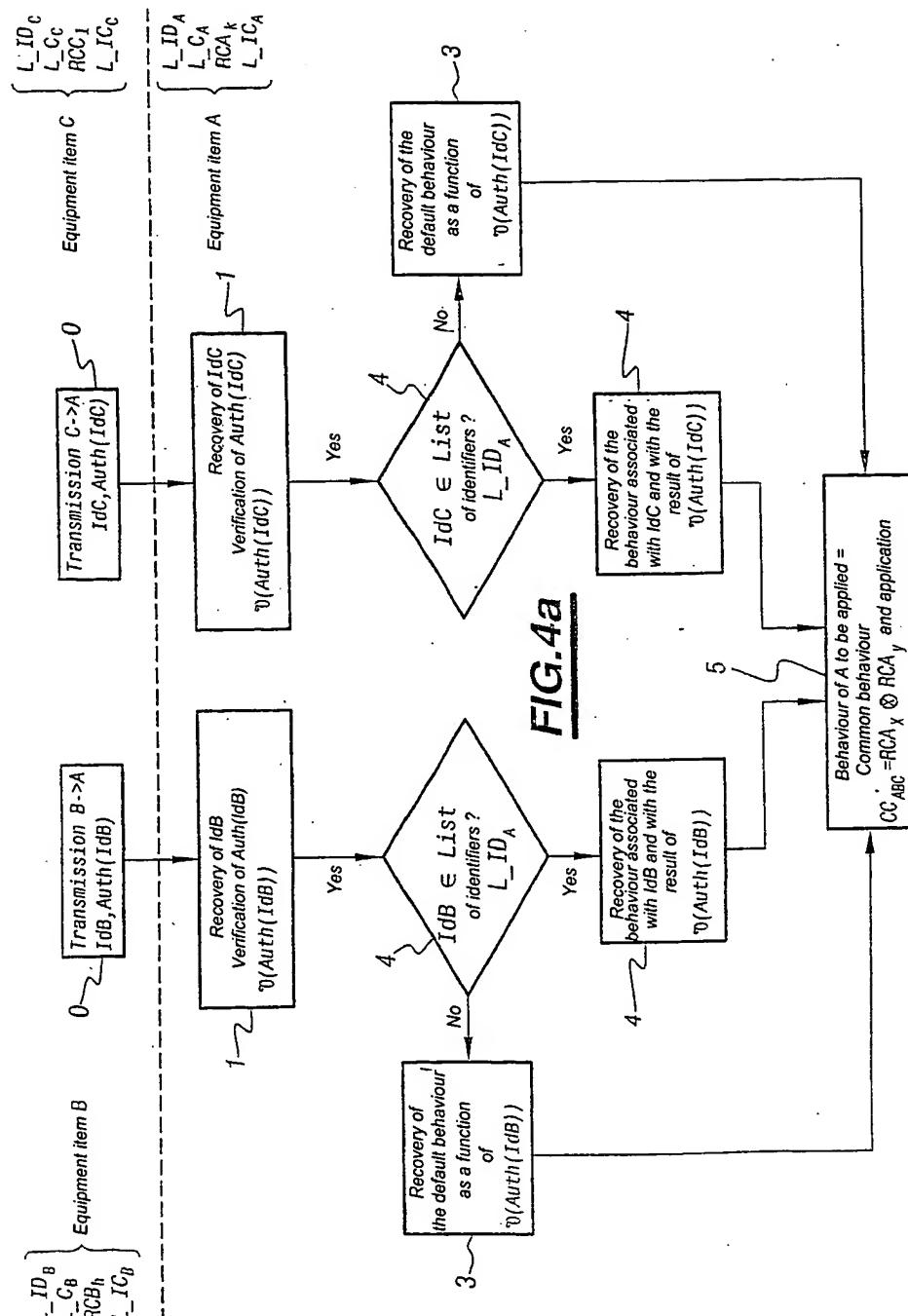
Equipment item B (Card)

$$\begin{aligned}
 L_ID_B &= [IdA, IdD, IdE] \\
 L_C_B &= [RCB_1, RCB_2, \dots, RCB_h, \dots, RCB_r] \\
 RCB_h &= 1001010 \\
 L_IC_B &= [IdA[RCB_1]; [IdD[RCB_1]], \dots] \\
 &\quad \overbrace{(01001)}^{\overbrace{(0100)}^{\overbrace{(0100)}}}
 \end{aligned}$$
FIG.2d

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Equipment item B

$L_ID_B = [IdA, IdC, \dots, IdE]$
 $L_C_B = [RCB_1, RCB_2, \dots, RCB_h, \dots, RCB_r]$
 $RCC_h = [CB_1, CB_2, \dots, CB_q]$
 $L_IC_B = [IdA[RCB_1]; IdB[RCB_1]; \dots]$

Equipment item C

$L_ID_C = [IdA, IdB, \dots, IdF]$
 $L_C_C = [RCC_1, RCC_2, \dots, RCC_1, \dots, RCC_s]$
 $RCC_1 = [CC_1, CC_2, \dots, CC_o]$
 $L_IC_C = [IdA[RCC_1]; IdB[RCC_1]; \dots]$

FIG. 4b

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$$L_{IC_A} = [[IdB[RCA_1]]; [IdC[RCA_p]]]$$

$$CC_{ABC} = RCA_1 \cap RCA_p$$

FIG.4c

$$L_{IC_A} = [[IdB, [RCA_1]]; [IdC[RCA_p]]]$$

$$b = (010010) \quad c = (010010)$$

$$CC_{ABC} = b \cap c = bitand(b, c)$$

FIG.4d

$$L_{IC_A} = [[IdB[RCA_1]]; [IdC[RCA_p]]]$$

$$CC_{ABC} = RCA_1 \cup RCA_p$$

FIG.4e

$$L_{IC_A} = [[IdB[RCA_1]]; [IdC[RCA_p]]]$$

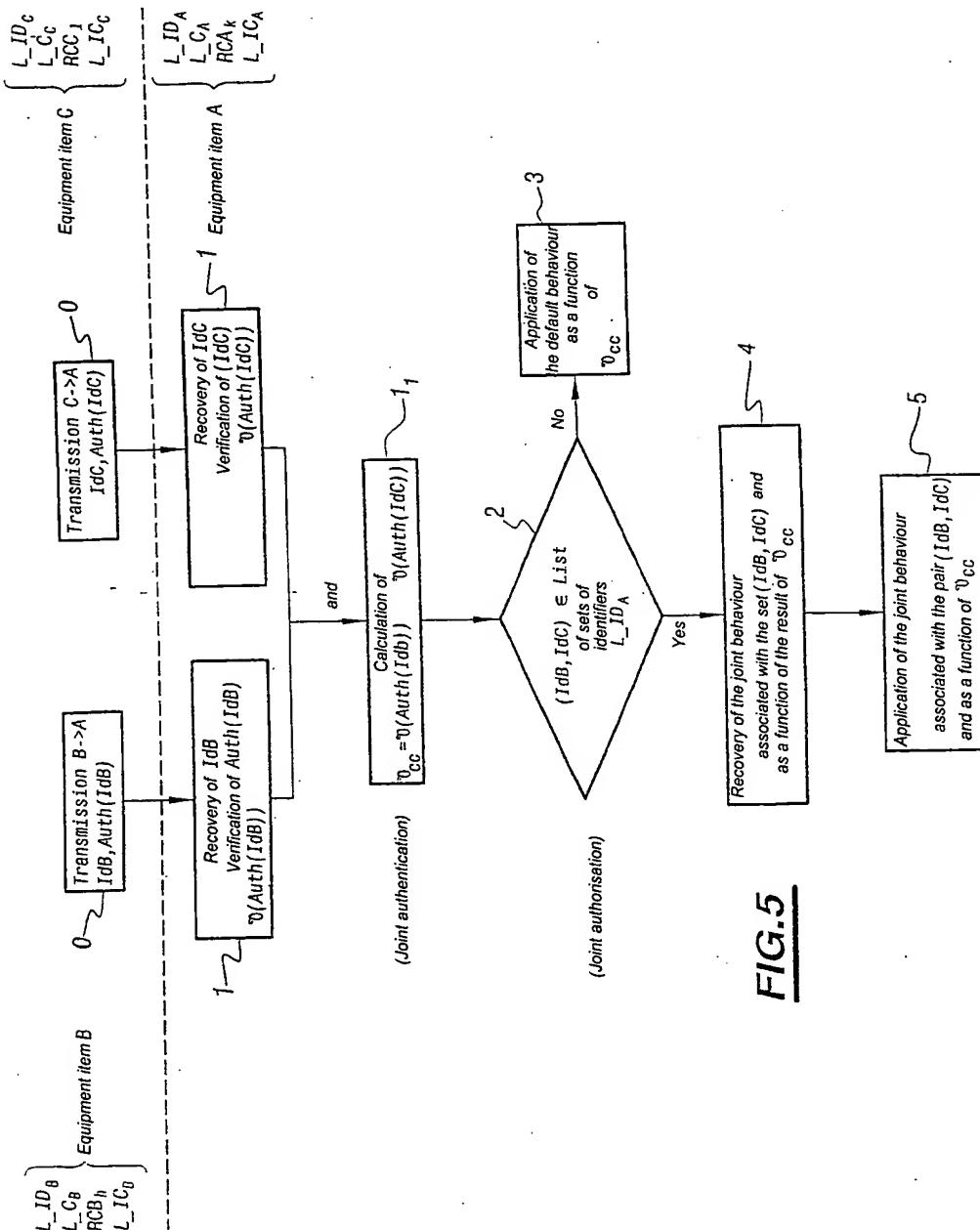
$$b = (010010) \quad c = (010011)$$

$$CC_{ABC} = b \cup c = bitor(b, c) = 010011$$

FIG.4f

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FIG.5